Title (en)

Alignment of parity bits to eliminate errors in switching from an active to a standby processing circuit

Title (de)

Synchronisation von Paritätsbits zur Fehlervermeidung beim Umschalten zwischen einem aktiven und einem stand-by Prozessor

Title (fr)

Alignement de bits de parité pour éliminer les erreurs lors de la commutation d'un circuit de traitement actif à un circuit en état de veille

Publication

EP 0740435 A3 20000223 (EN)

Application

EP 96302686 A 19960417

Priority

US 43062795 A 19950428

Abstract (en)

[origin: EP0740435A2] Glitchless switching between active and standby telecommunication apparatus having hierarchical nested parity bits is provided. A higher order parity bit is calculated based on defined data as well as a lower order parity bit. A method is provided for aligning each parity bit generated by a standby processor with a corresponding parity bit independently generated by an active processor. This alignment is accomplished prior to output frames of data being supplied by the standby processor in order to provide glitchless switching such that the first frame of data supplied by the standby processor contains parity bits which are in agreement with the corresponding data in the frame. <IMAGE>

IPC 1-7

H04L 1/22; H04L 1/00; H03M 13/00; G06F 11/08; G06F 11/20

IPC 8 full level

G06F 11/10 (2006.01); **G06F 11/20** (2006.01); **H04J 3/00** (2006.01); **H04L 1/00** (2006.01); **H04L 1/22** (2006.01)

CPC (source: EP US)

G06F 11/10 (2013.01 - EP US); **G06F 11/20** (2013.01 - EP US); **H04L 1/0057** (2013.01 - EP US); **H04L 1/22** (2013.01 - EP US)

Citation (search report)

- [PA] WO 9531056 A2 19951116 - NOKIA TELECOMMUNICATIONS OY [FI], et al
- [A] US 5357531 A 19941018 - TANAKA HIROYUKI [JP]

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0740435 A2 19961030; **EP 0740435 A3 20000223**; **EP 0740435 B1 20061011**; CA 2171225 A1 19961029; CA 2171225 C 19991228; DE 69636613 D1 20061123; DE 69636613 T2 20070809; ES 2271949 T3 20070416; JP 3263307 B2 20020304; JP H0983497 A 19970328; US 5838698 A 19981117

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EP 96302686 A 19960417; CA 2171225 A 19960307; DE 69636613 T 19960417; ES 96302686 T 19960417; JP 10658296 A 19960426; US 43062795 A 19950428